## WHAT IS CLAIMED IS:

1. A magnetic head actuator having a finely movable tracking device comprising:

a swing arm having a magnetic head at a free end and reciprocally movable around a coarse rotation axis at a base of the swing arm;

a piezoelectric element mounted in the swing arm, the piezoelectric element having a voltage-impressing electrode for allowing a fine arcuate movement of the free end around the coarse rotation axis in response to an applied voltage;

an FPC board having a resin base and a feeding line embedded in the resin base for feeding power to the voltage-impressing electrode,

wherein a portion of the resin base is removed to expose a portion of the feeding line that extends onto the electrode; and an electrical connection between the feeding line and the voltage impressing electrode at the exposed portion of the feeding line.

- 2. The magnetic head actuator according to Claim 1, wherein the electrical connection comprises an ultrasonic bond.
- 3. The magnetic head actuator according to Claim 1, wherein the electrical connection comprises an Au ball bond.

- 4. The magnetic head actuator according to Claim 1, wherein the electrical connection comprises a through-hole in the exposed portion of feeding line that is electrically connected to the voltage-impressing electrode by a gold ball positioned in the through-hole.
- 5. The magnetic head actuator according to Claim 1, wherein the electrical connection comprises a stud bump made of conductive material residing on the piezoelectric element, and wherein the exposed portion of the feeding line is electrically connected to the voltage-impressing electrode by a stud bump positioned in a through-hole located in the exposed portion of the feeding line.
- 6. The magnetic head actuator according to Claim 1 further comprising a pair of piezoelectric elements having polarities opposite to each other.
- 7. The magnetic head actuator according to Claim 1, further comprising a trace line leading to the magnetic head and extending, together with the feeding line, in the FPC board.
- 8. A magnetic head actuator having a finely movable tracking device, comprising:
- a swing arm having a magnetic head at a free end and reciprocally movable around a coarse rotation axis of a base

of the swing arm;

a piezoelectric element mounted in the swing arm, the piezoelectric element having a voltage-impressing electrode for allowing a fine arcuate movement of the free end around the coarse rotation axis when a voltage is applied; and

an FPC board having a resin base and a feeding line embedded in the resin base for feeding power to the voltage-impressing electrode,

wherein the feeding line resides completely within the FPC board except for an exposed portion to extending onto the voltage-impressing electrode, and wherein the exposed portion is bonded to the piezoelectric element, by a direct electrical connection between the voltage-impressing electrode and the exposed portion.

- 9. The magnetic head actuator according to Claim 8, wherein the direct electrical connection comprises an ultrasonic bond.
- 10. The magnetic head actuator according to Claim 8, wherein the direct electrical connection comprises an Au ball bond.
- 11. The magnetic head actuator according to Claim 8, wherein the electrical connection comprises a through-hole in the exposed portion of the feeding line that is electrically connected to the voltage-impressing electrode

by a gold ball positioned in the through-hole.

- 12. The magnetic head actuator according to Claim 8, wherein the electrical connection comprises a stud bump made of a conductive material residing on the piezoelectric element, and wherein the exposed portion of the feeding line is electrically connected to the voltage-impressing electrode by a stud bump positioned in a through-hole located in the exposed portion of the feeding line.
- 13. The magnetic head actuator according to Claim 8 further comprising a pair of piezoelectric elements having polarities opposite to each other.
- 14. The magnetic head actuator according to Claim 8, further comprising a trace line leading to the magnetic head and extending, together with the feeding line, in the FPC board.